

APEH EXAM REVIEW MULTIPLE CHOICE QUESTIONS PART 16

1. Achievements of science and technology in the 20th century are described in the statements below. Which statement is LEAST accurate?

- (A) Discoveries in the health field have revolutionized treatment for illness and extended life expectancy.
- (B) Insecticides such as DDT have practically eliminated malaria.
- (C) Scientific discoveries have eliminated the major problems of human existence.
- (D) The internal combustion engine has become a ubiquitous part of modern life.
- (E) Electronic devices have aided the development of automation.

2. All of the following were components of Albert Einstein's contributions to modern science EXCEPT

- (A) the doctrine of a finite universe
- (B) space-time continuum
- (C) theory of relativity
- (D) $E = mc^2$
- (E) an ether-filled static universe

3. A major change in the development of post-World War scientific development is

- (A) emphasis upon the social sciences
- (B) dependence upon corporate and governmental grants
- (C) greater emphasis upon individuals rather than university research teams
- (D) concentration upon national rather than international research
- (E) increased competition among scientists

4. The "computer revolution," pioneered by the American company Texas Instrument, was based upon the new technology of

- (A) main frames
- (B) microprocessors
- (C) laptops
- (D) closed loops
- (E) Pascal programming

5. "This conjunction of an immense military establishment and a large arms industry is new in American experience. The total influence-economic, political even spiritual-is felt in every city, every statehouse, every office of federal government We must guard against the acquisition of unwarranted influence, whether sought or unsought by the military-industrial complex." Dwight D. Eisenhower, "Farewell Address"

What did President Eisenhower refer to by the "military-industrial complex?"

- (A) A psychological desire for an aggressive foreign policy.
- (B) A complicated development of high technology weapons systems.
- (C) A web of interlocking interests and political pressures by weapons manufacturers and the military.
- (D) A network of high-ranking military officers and industrialists.
- (E) A communist attempt to infiltrate the government.

6. The first American to set foot upon the moon in 1969 was

- (A) Neil Armstrong
- (B) John Glenn
- (C) Chuck Yeager
- (D) Sally Ride
- (E) Edwin Aldrin

7. The Soviet satellite first launched on October 4, 1957 was called

- (A) Soyuz
- (B) Iskra
- (C) Cosmos
- (D) Sputnik
- (E) Galactikos

8. The European Council for Nuclear Research (CERN) is currently completing a one billion dollar project dealing with
(A) nuclear fission
(B) nuclear safety
(C) nuclear weaponry
(D) a particle accelerator
(E) proton physics

9. The drawbacks of science and technology are BEST indicated by which of the following statements?
(A) The internal combustion engine has created more problems for society than it has solved.
(B) The discovery of "miracle drugs" has led to a large population increase.
(C) Science and technology seem to create new problems as they offer innovative solutions to old ones.
(D) Automation has created unemployment as it has improved the manufacturing process.
(E) The development of nuclear energy for peaceful uses has created frightening risks of radiation and waste disposal.

10. With the publication of James Watson and Francis Crick's book *The Double Helix*, the public became more aware of
(A) medical research on identical twins
(B) improvements in cancer treatments
(C) the development of the artificial heart
(D) the structure of DNA
(E) high energy physics research

11. All of the following may be categorized as "miracle drugs," first discovered from 1935 -1955 with the exception of
(A) smallpox vaccination
(B) sulfa drugs
(C) penicillin
(D) antibiotics
(E) polio vaccination

12. The German sociologist Max Weber was most concerned about what factor in constant striving of modern man?
(A) alienation
(B) work-induced stress
(C) the Protestant ethic
(D) sublimation
(E) group dynamics

13. Which of the following treatments is NOT related to oncology (cancer)?
(A) radiation
(B) chemotherapy
(C) radioactive isotopes
(D) tetracycline
(E) genetic infusions

14. Which of the following authors was part of the "lost generation," whose ideals were shattered by two world wars?
(A) Robert Sherwood
(B) Ernest Hemingway
(C) Theodore Dreiser
(D) Noël Coward
(E) Andre Malraux

15. Of the following authors and their works, which best exemplified the "stream of consciousness," method?
(A) T.S. Eliot's *The Waste Land*
(B) Norman Mailer's *The Naked and the Dead*
(C) Ernest Hemingway's *For Whom the Bell Tolls*

- (D) Franz Kafka's *The Castle*
- (E) James Joyce's *Ulysses*

16. All of the following are dissident Russian writers or poets EXCEPT

- (A) Boris Pasternak
- (B) Roy Medvedev
- (C) Ivan Turgenev
- (D) Aleksander Solzhenitsyn
- (E) Yevgeny Yevtushenko

17. Within modern philosophy, the most noteworthy of the existentialists has been

- (A) Albert Camus
- (B) Gertrude Stein
- (C) Jean Paul Sartre
- (D) Karl Barth
- (E) Friederich Nietzsche

18. All of the following are apparent in the trend of European family life EXCEPT

- (A) increasing rate of divorce
- (B) declining birth rate
- (C) working mothers
- (D) single parent families
- (E) marriage at an early age

19. The turmoil inspired by the younger generation especially in the 1960's and 1970's may best be described as

- (A) a protest against the Vietnam War
- (B) dedication to a "relevant" counterculture
- (C) a reaction to the conservatism of the "establishment," or older generation
- (D) a rebellion against universal conscription
- (E) involving only a relatively small group of "hippies"

20. Worldwide concern over ecology and environmental protection has been the result of

- (A) increased industrial pollution
- (B) fear of the consequences of the "greenhouse effect"
- (C) air pollution resulting from automobile emissions
- (D) the damage caused by "acid rain"
- (E) each of these problems within various parts of the earth

PART 15

1-C, 2-E, 3-B, 4-B, 5-D, 6-C, 7-C, 8-E, 9-A, 10-E, 11-B, 12-C, 13-D, 14-A, 15-A, 16-B, 17-E, 18-E, 19-C, 20-E

PART 16

1-C, 2-E, 3-B, 4-B, 5-C, 6-A, 7-D, 8-D, 9-C, 10-D, 11-A, 12-C, 13-D, 14-B, 15-E, 16-C, 17-C, 18-E, 19-C, 20-E